

ABSTRACT OF THE DISCLOSURE

The present invention relates to new crystalline, molecular sieve CIT-6 that has the topology of zeolite beta. CIT-6 can be in an all-silica form, in a form wherein zinc is in the crystal framework, or a form containing silicon oxide and non-silicon oxides. In a preferred embodiment, CIT-6 has a crystal size of less than one micron and a water adsorption capacity of less than 0.05 g/g.